Avocent Data Sheet

MergePoint Unity®

KVM over IP and Serial Console Switches

The Avocent MergePoint Unity switches include both KVM over IP and serial console management technology in a single appliance.

This unique combination provides IT administrators a complete remote management solution to access and control servers, networking equipment and other devices found in data centers and branch offices.

The MergePoint Unity switches enhance the in-band management typically done through the NIC of IT equipment by providing secure and remote out-of-band connections directly to the physical KVM, USB and serial ports. This unified approach enables IT administrators a faster method to diagnose, reconfigure or restore equipment to meet SLAs and minimize downtime.

Improve Remote Management and Staff Efficiency

- Reduce the time required to remotely diagnose/reconfigure/repair/restore servers as well as network devices and other hardware with serial configuration and/or management consoles.
- Complement in-band tools to create a more complete remote management solution to access servers and network equipment at remote locations.
- Virtual media enables remote USB connections to map CD-ROM and other USB mass storage devices directly to remote servers to transfer/copy files, load updates or install new applications, etc.
- Integrated serial device support allows secure SSH connections to the physical serial ports of devices attached to the MPUIQ-SRL module. The Cisco® configuration settings electronically pin out the module to enable a fast and direct connection to Cisco configuration ports, without the need for any additional external wiring adapters or special wiring.

Improve Physical Security

- Remote smart card/CAC reader support is provided for advanced security requirements. Using the virtual media capabilities of the MergePoint Unity switch, a smart card reader can be mapped from a desktop PC out to a remote server.
- Reduce the need to physically enter the data centers for local access and control. The MergePoint Unity switch provides remote users the capabilities of a direct physical connection from anywhere to KVM, USB and serial ports of servers and other IT equipment.

Expand Your Control

- Avocent Power Management Distribution Units (PM PDUs) can attach directly to one of the two dedicated power control ports to allow administrators to control the power to the devices they are accessing using the MergePoint Unity switch. The integration between remote access and power control allows administrators to see the results instantly when they turn remote devices on/off.
- Fully integrates with the DSView® 3 management software* to allow companies to extend their KVM and serial capabilities from the MergePoint Unity switches to include support for blades, embedded service processors, virtual servers, third-party KVM devices and third-party power products. Detailed power reports and historical power trends on consumption, capacity and cost are also available by adding the DSView 3 software Power Manager.

Quick Facts

- Remote access to KVM, USB and serial connections
- Serial adaptors support SSH connections
- Serial adaptors support the Cisco pinout to make connections to Cisco equipment quick and easy
- Virtual media enables remote USB connections and support for smart card/CAC readers
- Built-in Web interface for standalone applications or can be managed with the DSView 3 software*
- Local and remote browser interface for easy setup and use

* version 3.7 or above

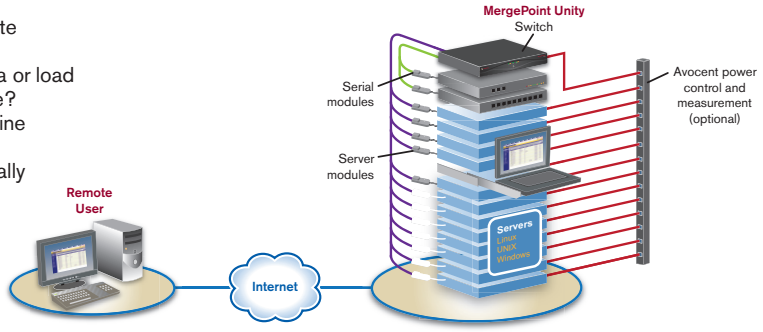
ORDERING DETAILS

PART NUMBER	DESCRIPTION
MPU104E-XXX	4-port, 1 digital KVM path, single AC power supply
MPU108E-XXX	8-port, 1 digital KVM path, single AC power supply
MPU108EDAC-XXX	8-port, 1 digital KVM path, dual AC power supply
MPU1016-XXX	16-port, 1 digital KVM path, single AC power supply
MPU1016DAC-XXX	16-port, 1 digital KVM path, dual AC power supply
MPU2016-XXX	16-port, 2 digital KVM paths, single AC power supply
MPU2016DAC-XXX	16-port, 2 digital KVM paths, dual AC power supply
MPU2032-XXX	32-port, 2 digital KVM paths, single AC power supply
MPU2032DAC-XXX	32-port, 2 digital KVM paths, dual AC power supply
MPU4032-XXX	32-port, 4 digital KVM paths, single AC power supply
MPU4032DAC-XXX	32-port, 4 digital KVM paths, dual AC power supply
MPU8032-XXX	32-port, 8 digital KVM paths, single AC power supply
MPU8032DAC-XXX	32-port, 8 digital KVM paths, dual AC power supply
CABLES AND ACCESSORIES (ONE REQUIRED PER ATTACHED DEVICE)	
MPUIQ-SRL-XXX	MergePoint Unity serial IQ (requires power from USB source or optional UPD-AM)
UPD-AM	Power supply for MPUIQ-SRL modules; each UPD-AM can power up to four serial interface modules
DSAVIQ-USB2	Virtual media server interface module for VGA video and USB 2.0 with 14 in. cable
DSAVIQ-USB2L	Virtual media server interface module for USB 2.0 with 20 in. cable
DSAVIQ-PS2M	Virtual media server interface module for VGA video, PS/2 keyboard and mouse and USB 2.0 virtual media with 14 in. PS/2 and USB cables
DSRIQ-VMC	USB 2.0 server interface module supporting virtual media and smart card/CAC - with 20 in. cable
MPUIQ-VMC	USB 2.0 server interface module supporting virtual media and smart card/CAC - with 20 in. cable (supports video up to 1600x1200)

For country-specific availability, please contact an Avocent sales representative.

Avocent can help you answer questions like:

- How can I access a remote server that is having an OS or network connectivity issue?
- If a server drops off the network, how can you quickly determine the cause and restore connectivity?
- How can I access a remote server to restart a service or stop a runaway process if my remote software tools cannot make a connection?
- How can I use smart card readers for computer authentication if I am using remote hardware such as digital KVM switches?
- When working on remote server OS or application issues, how can I transfer data or load a new application if the network connection on that device is down or unavailable?
- How can I access the configuration port of a network router or switch that is off-line without having to take my laptop and a serial cable into the data center?
- How can I reduce the need for my IT staff, consultants and contractors to physically enter the data center without impacting their ability to do their work?
- How can I control who physically connects to the KVM, USB and serial ports of the equipment I have in the data center? What kind of reports do I currently have to show this?
- If I want to provide remote access to branch offices that includes servers and network equipment, do I need to purchase multiple management appliances?



Specifications

Mechanical

Size: HxWxD
1.72 in. (4.37 cm) H
17 in. (43.18 cm) W
16/32 port models: 13.38 in. (34 cm) D
4/8 port models: 9.2 in. (23.4 cm) D
Weight:
Single power models: 8.1 lbs. (3.67 Kg)
Dual power models: 8.6 lbs. (3.9 Kg)

Ports/Connections

Network: Number: 2
Type: 10/100/1000 Ethernet
Power Control Ports: Number: 2
Type: RS232 serial
Connector: 8-pin modular
Device Ports: Number: 4, 8, 16 or 32
Connector: 8-pin modular
Local Console: Number: 1
Connector: USB and VGA

Power Supply

Number: Single or dual power supplies
Type: Internal
AC input range: 100-240V

Video Resolution

Local and remote up to 1280x1024
(1600x1200 using the MPUIQ-VMC)

Standards

Approved Agency: UL, FCC, cUL, ICES-003, CE, VCCI, KCC, C-Tick, GOST

Warranty

Two Years

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